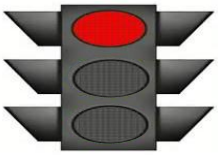
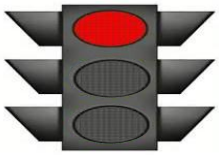
Return of Spontaneous Circulation (ROSC)
Emergency Medical Services

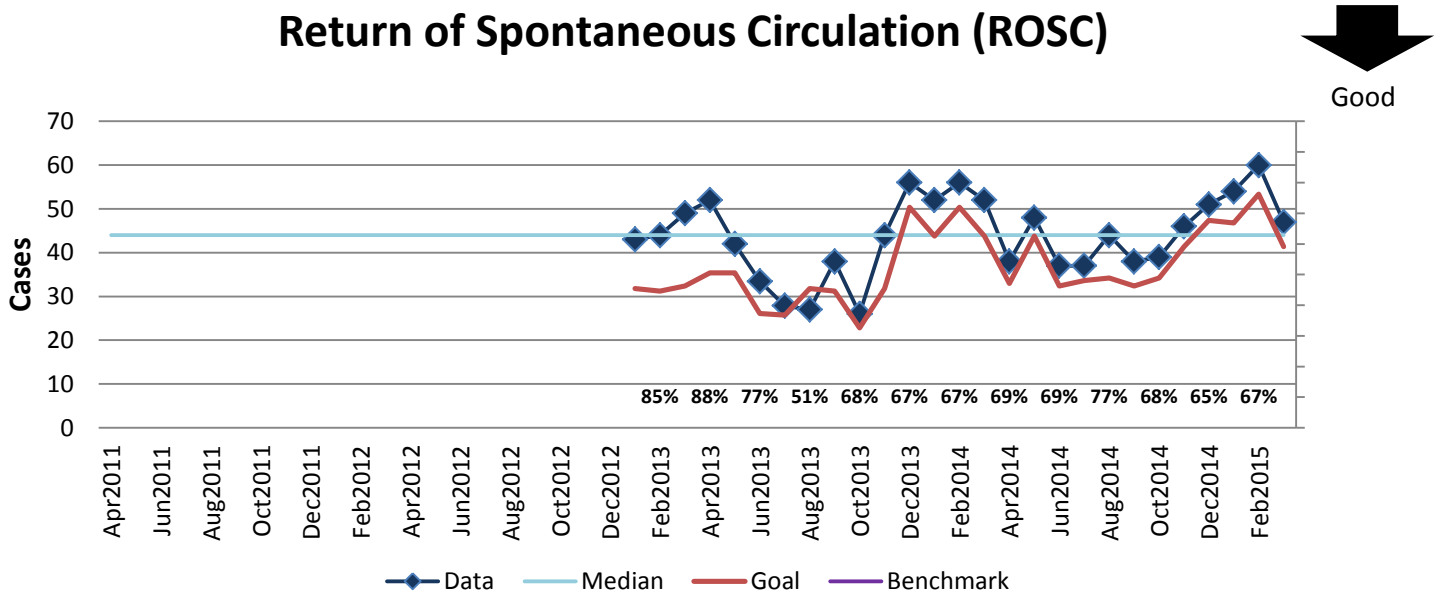
KPI Owner: Ben Neal | **Process: Patient Care**

Baseline, Goal, & Benchmark	Source Summary	Continuous Improvement Summary
Baseline: ROSC achieved in 25% of cases (Jan. 2013 - Dec. 2013) Goal: Achieve ROSC in at least 40% of cases. Benchmark: TBD	Data Source: RescueNet/CodeStat Goal Source: LMEMS Benchmark Source: TBD	Plan-Do-Check-Act Step 3: Determine and quantify root causes Measurement Method: Review crew documentation and review CPR analytics to determined if ROSC was reported. Why Measure: Measures the effectiveness of cardiac arrest management. Next Improvement Step: Create pareto to identify root causes of defects.

How Are We Doing?

Apr2014-Mar2015 12 Month Goal	Apr2014-Mar2015 12 Month Actual		Mar2015 Goal	Mar2015 Actual	
474	539		41	47	
Cases	Cases		Cases	Cases	

Return of Spontaneous Circulation (ROSC)



Identified Factors Impacting ROSC

Controllable (EMS)

Chest Compression Fraction (Time on chest & optimization of pauses)
Chest Compression Rate
Appropriate and timely defibrillatory shocks

Uncontrollable Factors

Age/Comorbidities
Cause of arrest (reversible?)
Bystander CPR
Witnessed/recognized (Time from collapse to call 911)
Location/response time (Time from 911 call to initiation of resuscitation)
First responder response